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AND ENVIRONMENT

Using evidence from the Land Matrix and other data repositories to investigate impacts of large-scale land investments on common-pool resources

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**IASC Regional European Meeting,
Bern, Switzerland, 10-13 May 2016**

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Bern, Switzerland, 10-13 May 2016

Structure of presentation

What is the Land Matrix?

Overview of data available globally and for Eastern Europe

Relevance of the Land Matrix for the study of the commons

How to get involved



LAND MATRIX
www.landmatrix.org

The Land Matrix Initiative (LMI) is a global and independent initiative that monitors competition over land use in the Global South

Objectives:

- to improve transparency and accountability regarding Land Acquisitions
- to provide data for research, policy-making and advocacy
- to contribute towards more equitable decision-making



LAND MATRIX
www.landmatrix.org



www.landmatrix.org

Partners and Donors



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for Economic Cooperation
and Development



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Swiss Agency for Development
and Cooperation SDC





LAND MATRIX
www.landmatrix.org

What is covered by the Land Matrix?

Large Scale Land acquisitions (LSLA):
Concessions, leases, sales of land

Criteria:

Investment size > 200ha

Recent transaction (2000-...)

Involvement of foreign investors

Conversion of land owned by communities or small scale farmers or
pastoralists

Deals that target low- and middle-income countries

The Online Public Database on Land Deals

The Land Matrix is a global and **independent land monitoring initiative** that promotes **transparency** and **accountability** in decisions over land and investment.

This website is our **Global Observatory** - an open tool for collecting and visualising information about large-scale land acquisitions.

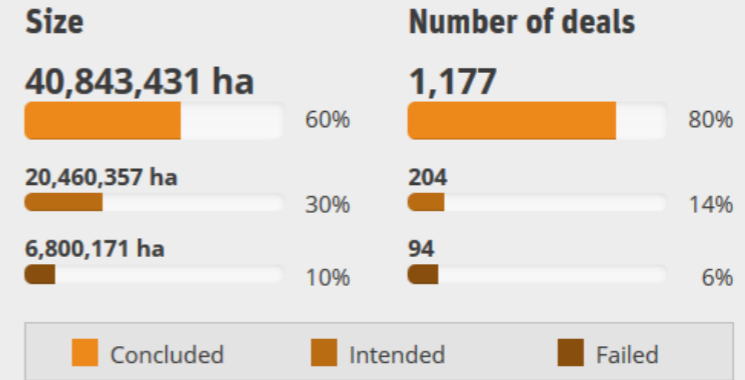
The data represented here is **constantly evolving**; to make this resource more accurate and comprehensive, we encourage your **participation**.

[Read more](#)

Watch the video introduction



We currently have information about: ²



GET THE IDEA

GET THE DETAIL

GET INVOLVED

Data is at the core of our project, but numbers alone can't tell a good story. These interactive visualizations are here to help you grasp the phenomenon of large-scale land acquisitions. Through them, we try to provide answers to questions such as how much land we're talking about, who's buying where, how much of the land is used for growing food, etc.

Dynamics overview

Web of transnational deals

Global map of investments

Agricultural drivers

It's a big deal

Compare the size

www.landmatrix.org, accessed 11.4.2016

NB: Auch auf Android Play Store! <https://play.google.com/store/apps/details?id=com.unibe.researchdigisus.landobservatory>

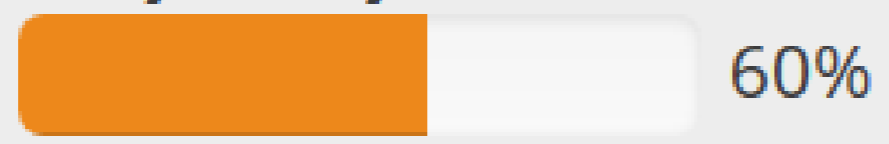
We currently have information about:

Size

Number of deals

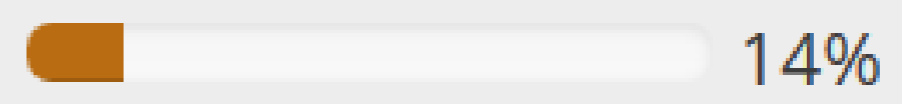
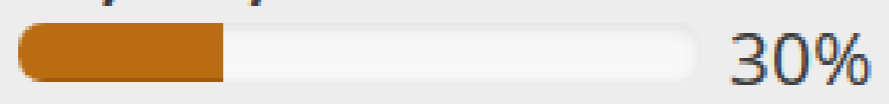
40,843,431 ha

1,177



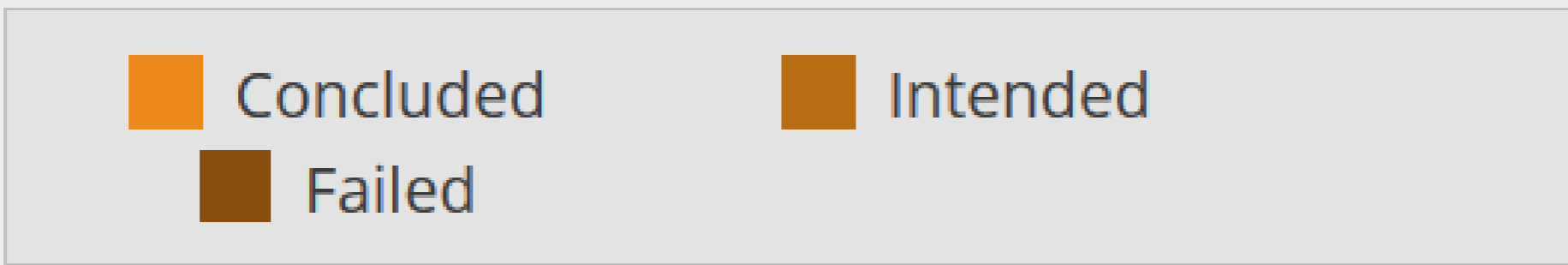
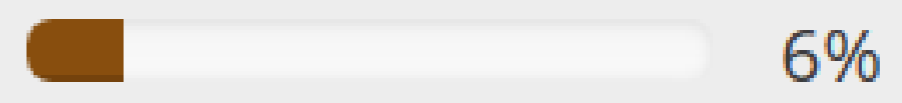
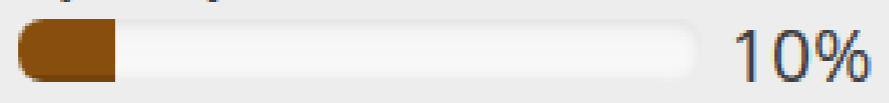
20,460,357 ha

204



6,800,171 ha

94



IT'S A BIG DEAL

Enter a location to set the center of a circle that displays an area equal to the size of the intended, concluded or failed land acquisitions (according to the selected option).

Bern, Switzerland

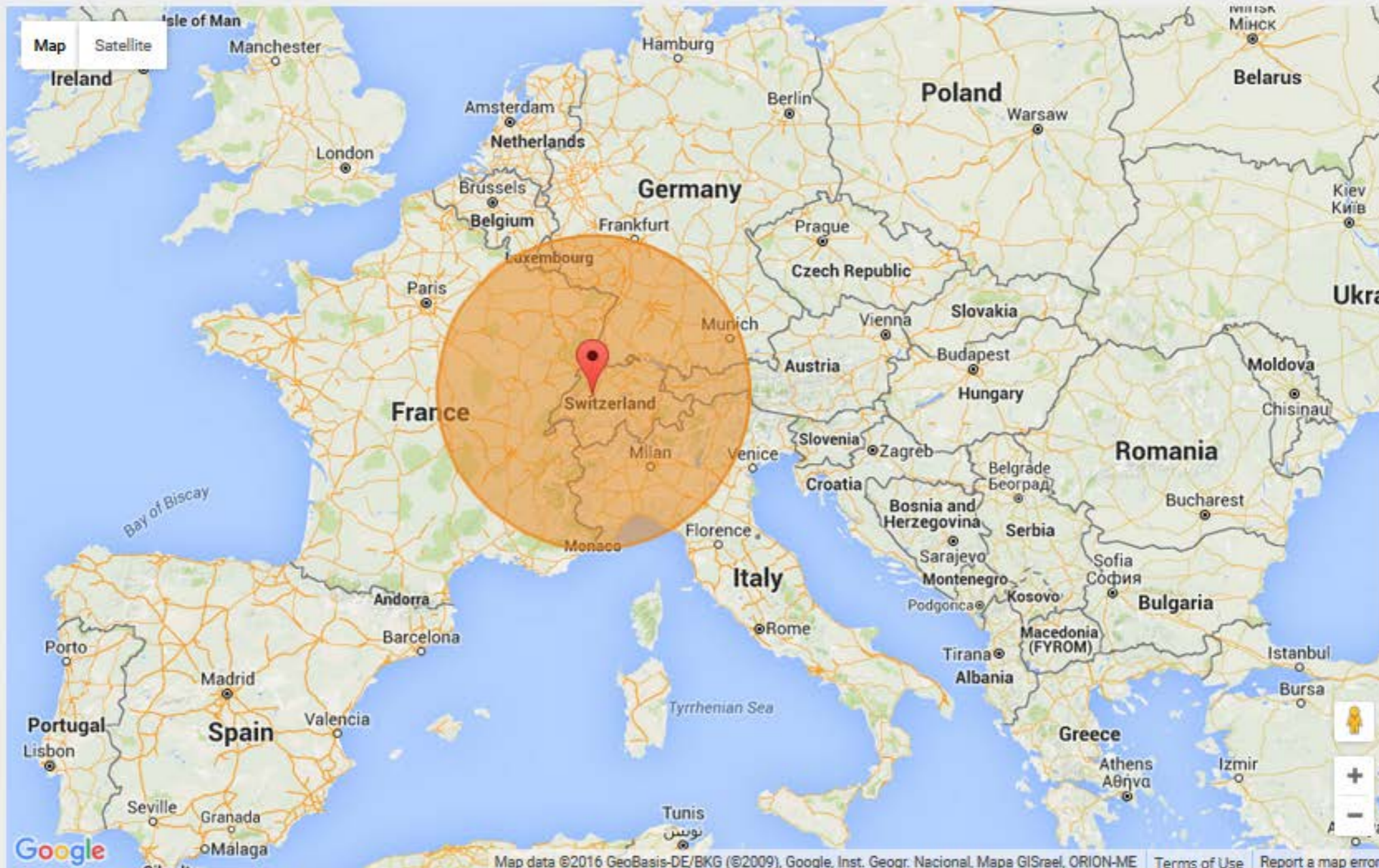
Go

Area equal to the size of the intended, concluded or failed land acquisitions (41,124,529 ha)

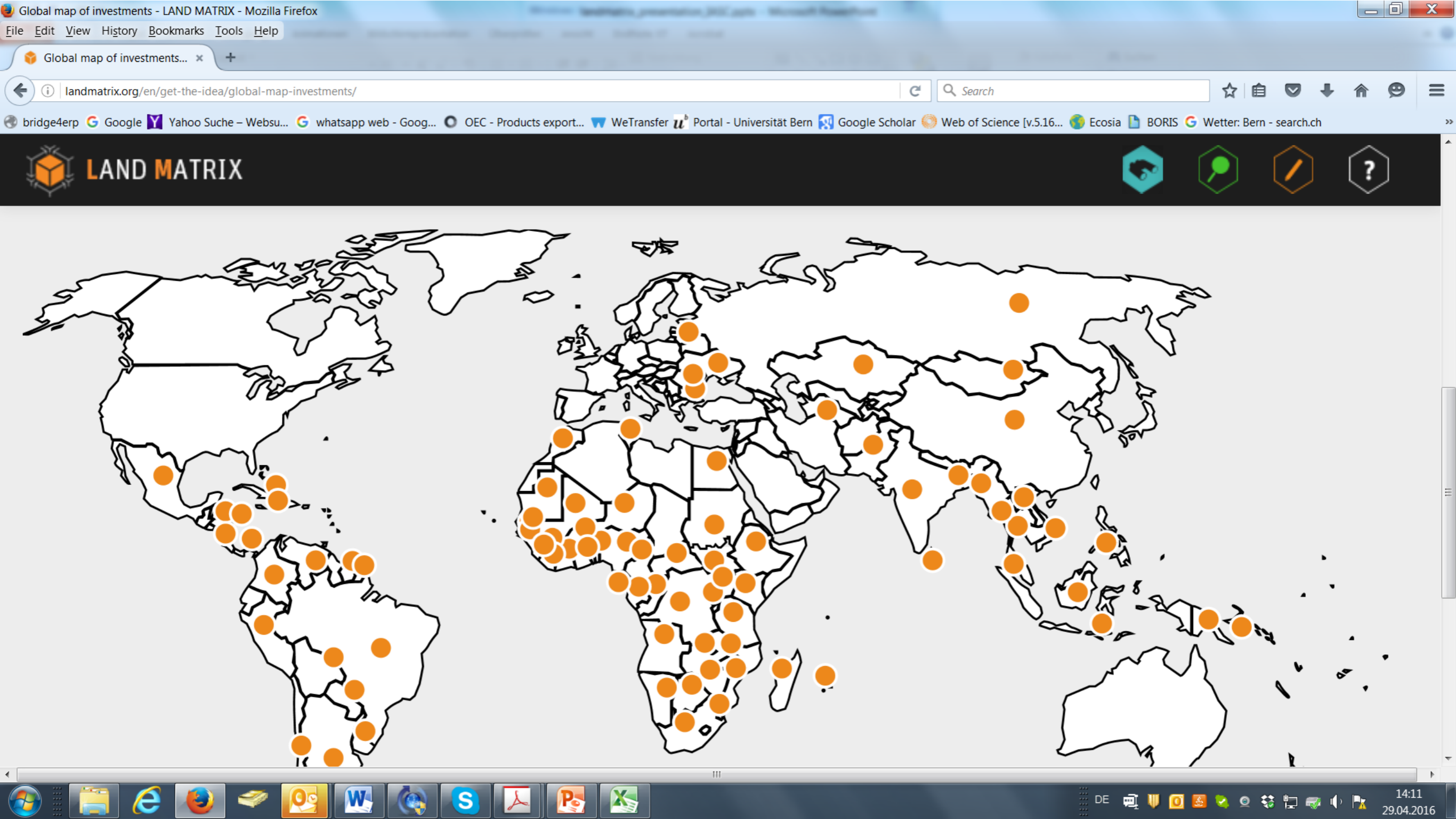
Concluded deals | Intended deals | Failed deals

Transnational deals | Domestic deals

Exclude media reports



Global map of investments



www. landmatrix.org, accessed 3.11.2015



Top 10 Countries



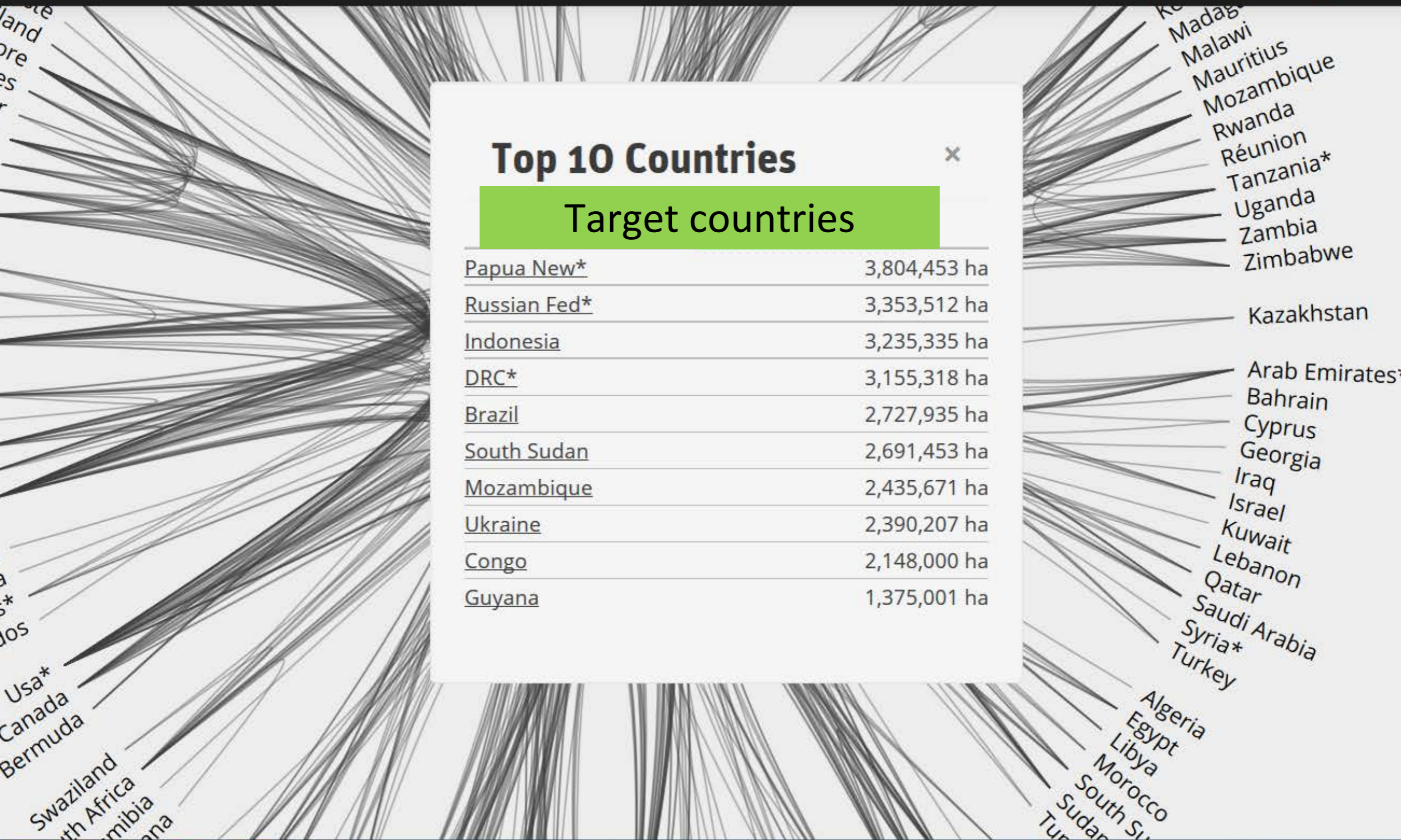
Investor countries

<u>Usa*</u>	7,909,262
<u>Uk*</u>	5,974,224
<u>Malaysia</u>	5,483,021
<u>China</u>	5,188,960
<u>Saudi Arabia</u>	4,560,056
<u>Singapore</u>	3,758,113
<u>Brazil</u>	3,181,438
<u>India</u>	3,173,614
<u>Arab Emirates*</u>	2,900,202
<u>South Korea*</u>	2,492,667

*
ada
nuda
waziland
Africa
ibia

Algeria
Egypt
Libya
Morocco
South
Sud

Ken
Madaga
Malawi
Mauritiu
Mozam
Rwanc
Réuni
Tanz
Uga
Zan
Zim
Ka
Ar
Ar
Ba
Cyp
Geo
Iraq
Israe
Jorda
Kuwa
Leban
Qatar
Saudi Ara
Syria*
Turkey



Top 10 Countries

Target countries

<u>Papua New*</u>	3,804,453 ha
<u>Russian Fed*</u>	3,353,512 ha
<u>Indonesia</u>	3,235,335 ha
<u>DRC*</u>	3,155,318 ha
<u>Brazil</u>	2,727,935 ha
<u>South Sudan</u>	2,691,453 ha
<u>Mozambique</u>	2,435,671 ha
<u>Ukraine</u>	2,390,207 ha
<u>Congo</u>	2,148,000 ha
<u>Guyana</u>	1,375,001 ha

Madagascar
 Malawi
 Mauritius
 Mozambique
 Rwanda
 Réunion
 Tanzania*
 Uganda
 Zambia
 Zimbabwe

Kazakhstan

Arab Emirates*

Bahrain

Cyprus

Georgia

Iraq

Israel

Kuwait

Lebanon

Qatar

Saudi Arabia

Syria*

Turkey

Algeria

Egypt

Libya

Morocco

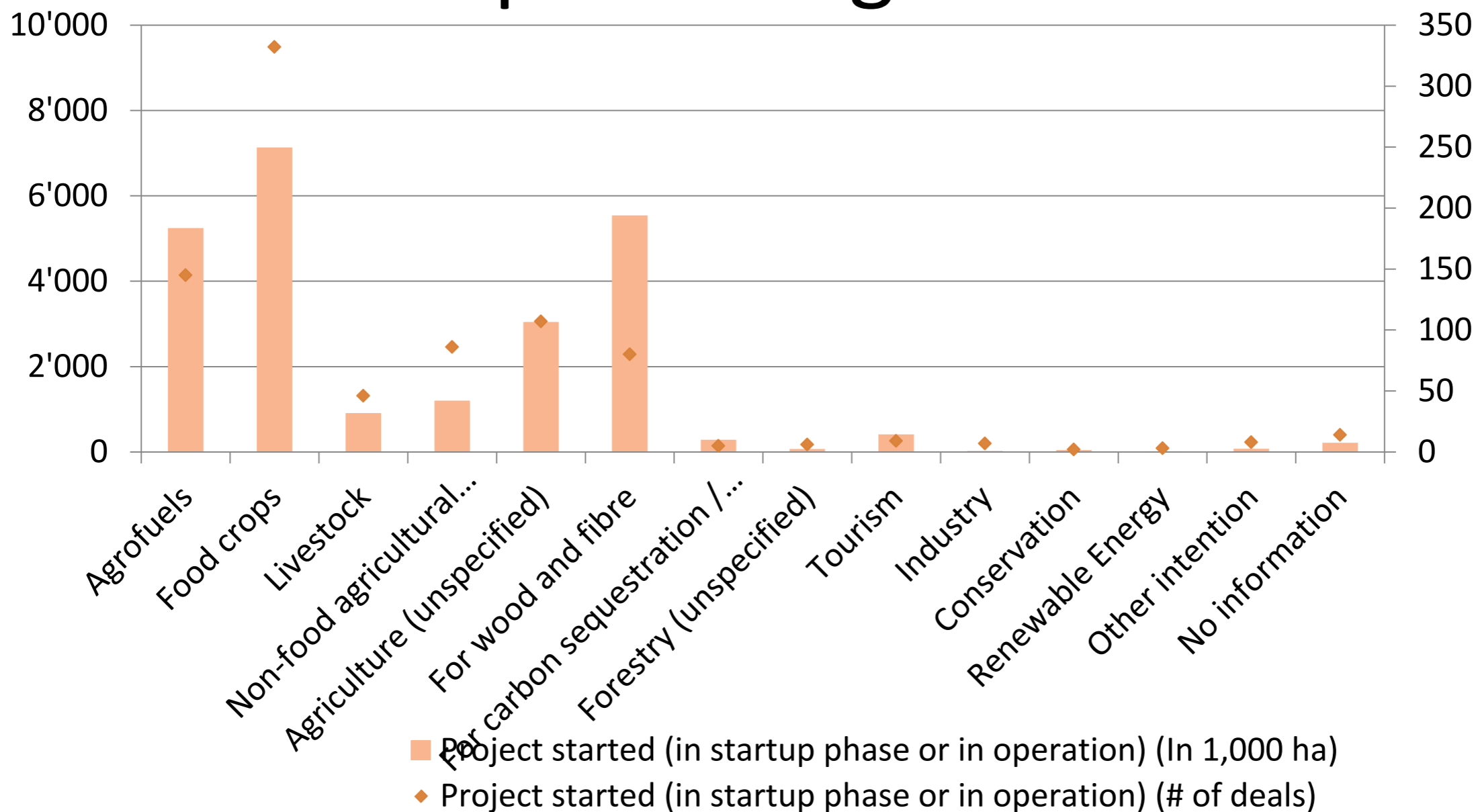
South Sudan

Turkey

USA*
 Canada
 Bermuda
 Swaziland
 South Africa
 Zimbabwe



Food crops beat agro-fuels



Land Matrix Data for Eastern Europe

Total concluded deals: 96

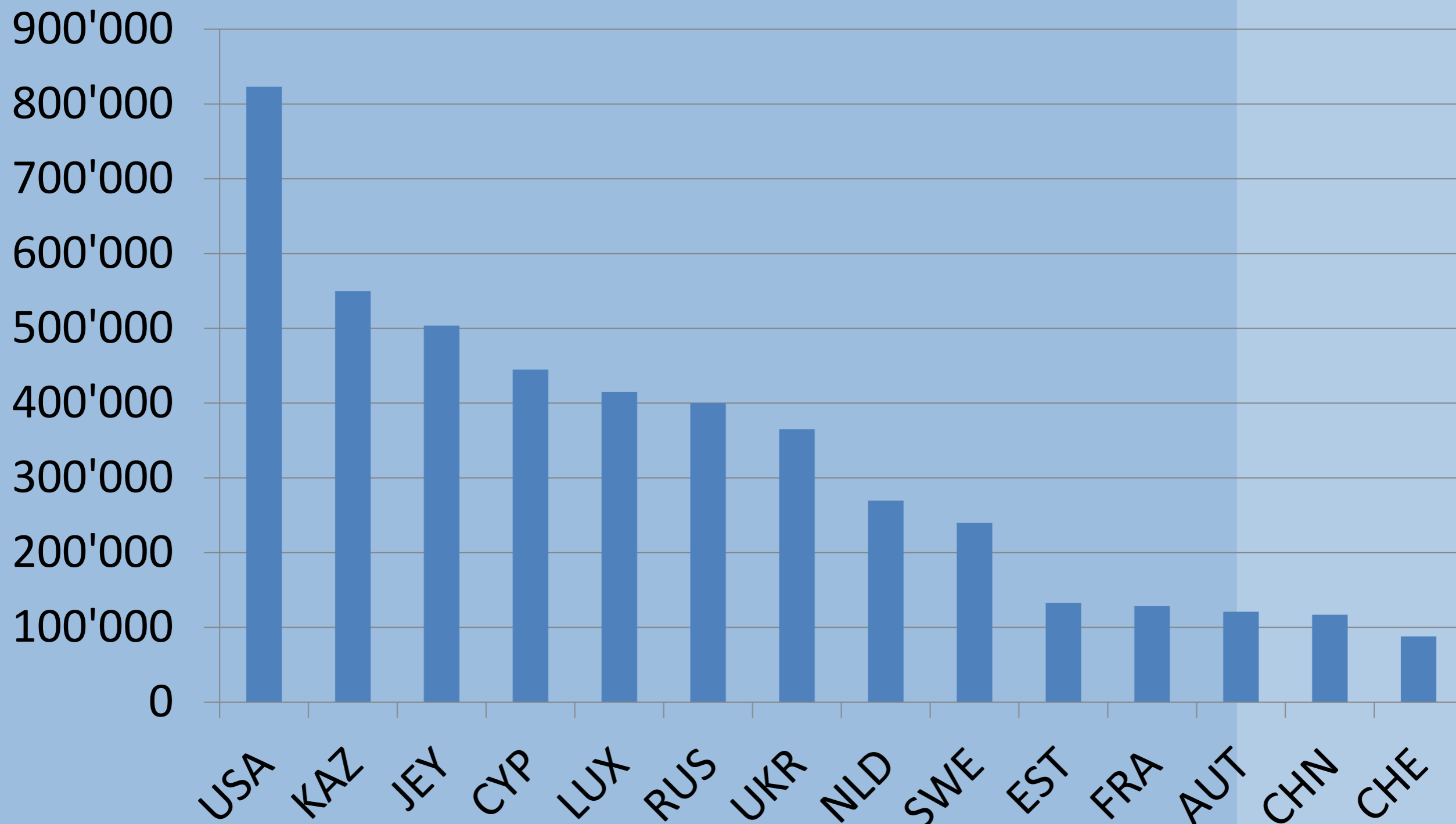
Area size concluded: 5'106'618 ha

Area under production: 2'047'659 ha (40%, as opposed to 19% globally)

Number of failed deals: 2 (11'000 ha (<0.5% opposed to 10% globally)

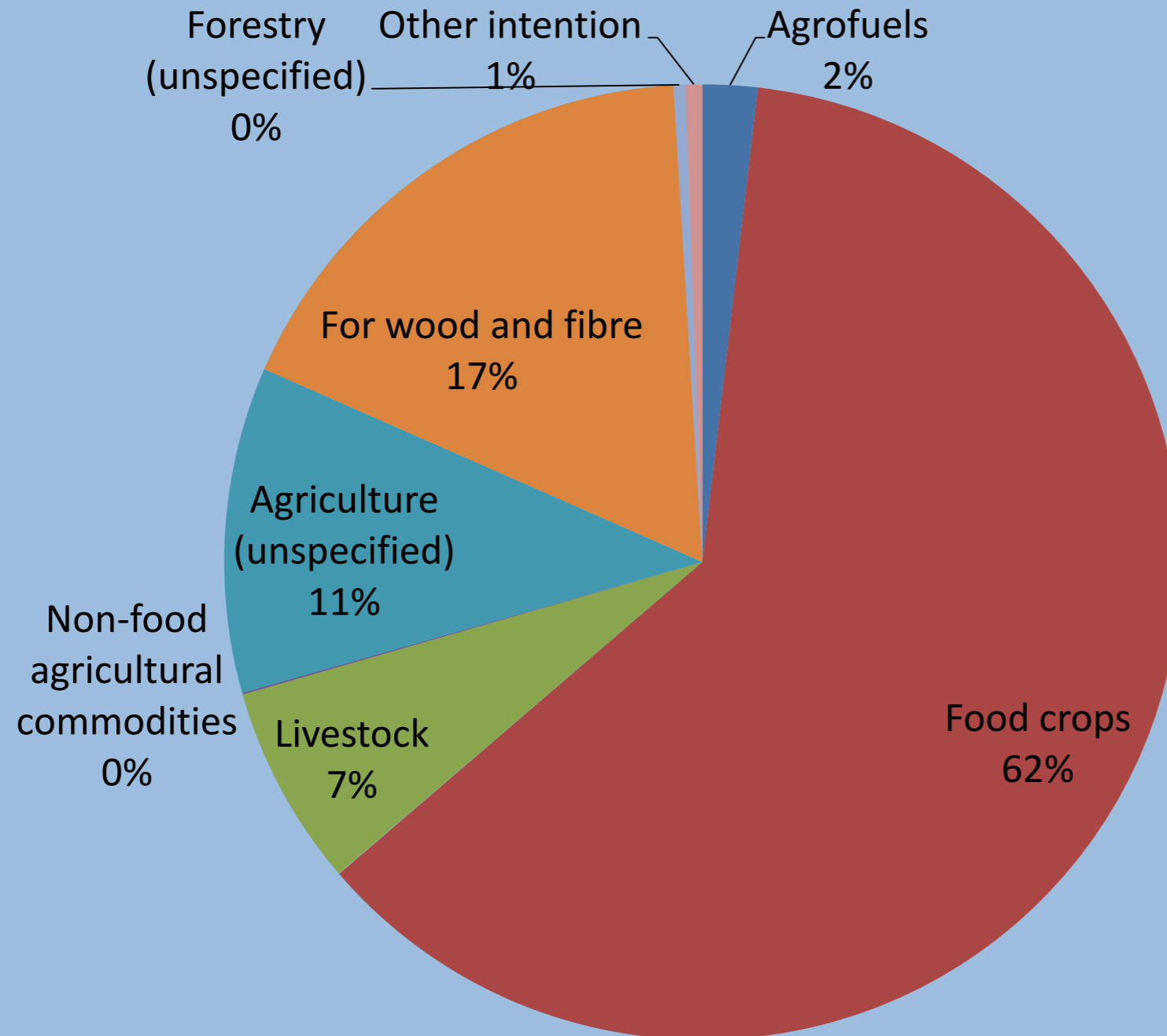
Countries included, according area: UKR (61 %), RUS (30%), ROU (8%), BGR (1%), LIT (0.2 %)

Top 14 investor countries in Europe (ha concluded deals)



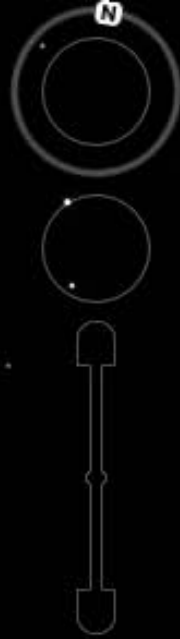
Status 25.4.2016

Intention of LSLA in Eastern Europe



Status 25.4.2016

How do LSLA impact common property resources?
What can we learn from the Land Matrix?

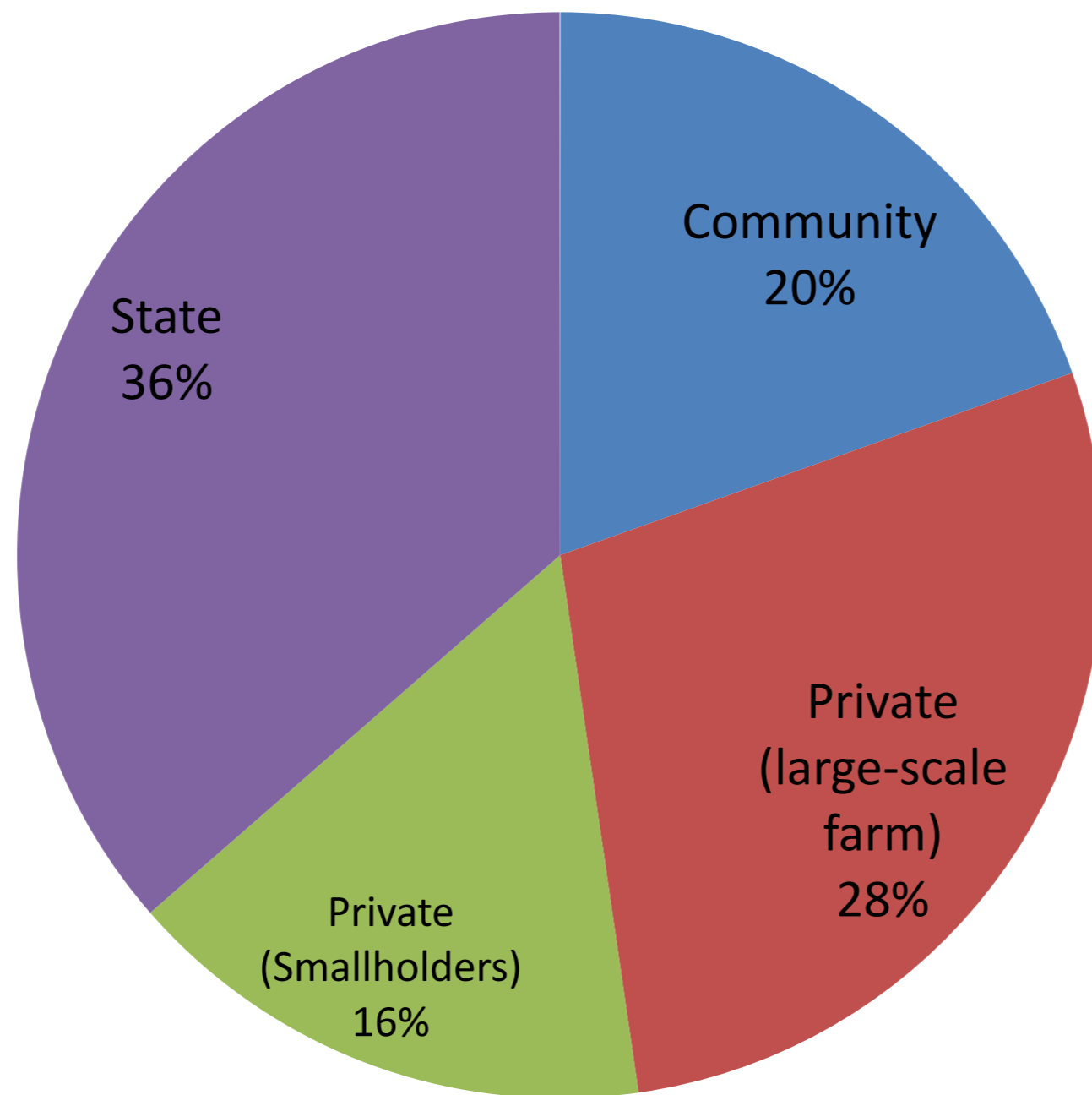


Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat

Google earth

Breite -11.149924° Länge 52.642378° sichthöhe 15937.13 km

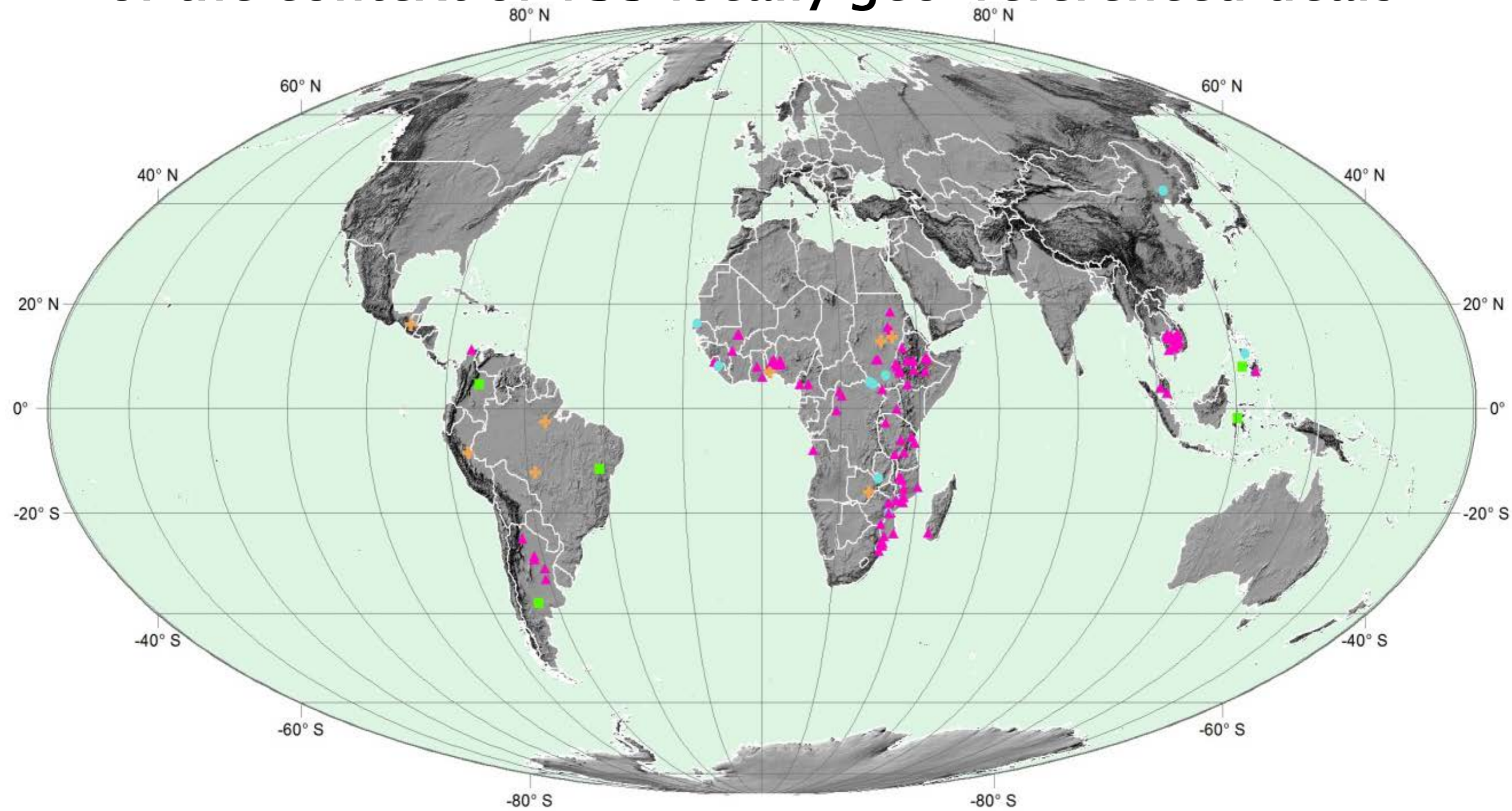
Former Ownership reported in Land Matrix



N= 466 agricultural deals

Source: Land Matrix 25.4.2016

Land cover analysis of the context of 139 locally geo-referenced deals



- Negotiation Status**
- ▲ Contract signed (115)
 - Oral Agreement (6)
 - Under negotiation (9)
 - ✦ No information (9)

Map scale: approx. 1:200,000,000
Map projection: Mollweide

Source: Messerli, Giger, Dwyer, Eckert, 2014

Land cover analysis of the context of 139 locally geo-referenced deals



	Share of deals
Cropland mosaics	35%
Forest land	34%
Shrub- and grassland	25%
Marginal and other land	6%

- Investor compete with farming communities
- 79 % of deals in Africa are within a daytrip from nearest city (accessibility < 6h);
- 52% of all deals globally target areas with population densities > 25 persons/km²

Three distinct patterns emerge from the analysis:

- densely populated and easily accessible croplands
- remote forestlands with lower population
- moderately populated and moderately accessible shrub- or grasslands

In each of these patterns common property resources exist, with distinct characteristics.

Common property resources are not easily mapped, are frequently overlooked and clearly underreported in the existing databases.

In future, Land Matrix will co-operate with landmark projekt (<http://www.landmarkmap.org/map/>), an interactive global platform to provide maps and other critical information on lands that are collectively held and used by Indigenous Peoples and local communities

The screenshot displays the LandMark web application interface. At the top, the LandMark logo is accompanied by the text "Global Platform of Indigenous And Community Lands BETA". Navigation links for "Home", "Map", "Data", "About", and "Contact Us" are visible. The main content area features a map of Southeast Asia, including Indonesia, Malaysia, and parts of the Philippines and Timor-Leste. The map is overlaid with numerous colored markers representing different land statuses. On the left side, there are two filter panels: "Indigenous Lands" and "Community Lands". Each panel has sections for "Formally recognized" and "Not formally recognized" lands, with sub-options like "Formal documentation", "In process of documentation", "No documentation", "Formal land petition", and "Occupied or used without formal land petition". A "Legend" panel on the right side of the map provides a key for the colors used in the markers. At the bottom of the map, there is a scale bar (0, 200, 400 km) and a "POWERED BY esri" logo. The bottom of the image shows a Windows taskbar with various application icons and a system tray with the time 16:09:05.

Layer Selection

Community Level

National Level

Indigenous Lands

Formally recognized

- Formal documentation
- In process of documentation
- No documentation

Not formally recognized

- Formal land petition
- Occupied or used without formal land petition

Community Lands

Formally recognized

- Formal documentation
- In process of documentation
- No documentation

Not formally recognized

- Formal land petition
- Occupied or used without formal land



Legend

Indigenous Lands

Formally recognized

- Formal documentation
- In process of documentation
- No documentation

Not formally recognized

- Formal land petition
- Occupied or used without formal land petition

Community Lands

Formally recognized

- Formal documentation

Analyze an



Link to Open Land Contracts

An online repository of

Open Land Contracts

Search 76 Contracts

Search

CONTRACT DOCUMENTS FROM
9 Countries

[View All Countries](#)



CONTRACT DOCUMENTS RELATED TO
33 Resources

[View all resources](#)

The site provides summaries of contracts and their terms to facilitate understanding of important provisions in the documents. These summaries are not interpretations of the documents. Neither the summaries nor the full contracts are complete accounts of all legal obligations related to the projects in question. This site also includes documents text that was created automatically, such text may contain errors and differences from the original PDF files. No warranty is made to the accuracy of any content on this website.

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23 ANNOTATIONS

By Page By Topic

All General Environment Fiscal
Operations Social Other

Arbitration and dispute resolution
Arbitrage et règlement des différends
All disputes must be referred to arbitrators
in London under... more
Page 7 (Arts. 5.2(a); 5.2(e))

Assignment or transfer
Cession ou transfert
Socfin Agricultural Company (S.L.) is not
permitted to assign or... more
Page 4 (Art. 2.10)

Cancellation or termination
Annulation ou Résiliation
Socfin Agricultural Company (S.L.) must

THIS SUB-LEASE is made on the 5th day of March 2011 in the year of our Lord Two Thousand and Eleven in accordance with the provisions of the Provisions Land Act, Cap 122 of the Laws of Sierra Leone 1960 as amended by the Provisions Land (Amendment) Act (Act No.15 of 1961) BETWEEN DR. JOSEPH SAM SESAY, Minister of Agriculture, Forestry and Food Security for and on behalf of the Government of the Republic of Sierra Leone (hereinafter referred to as the "Lessor" whose expression shall where the context so admits include his successors in office) of the ONE PART AND SOCFIN AGRICULTURAL COMPANY (S.L.) LIMITED, a company established under the laws of Sierra Leone whose offices is at Apt. 01, No.7 Aberdeen Beach Road, Lumley, Freetown in the Western Area of the Republic of Sierra Leone (hereinafter called the "Lessee" which expression where the context so admits shall include his successors in office) of the other part.

WHEREAS by a lease dated the 5th day of March 2011 made between Paramount Chief S.V.S. Kessie, together with members of his Chiefs Council of the one part and the Lessor herein of the other part (hereinafter referred to as the "Head Lease") and duly registered as No. at page in volume in the Book of Leases kept in the office of the Registrar-General, Freetown at that place or parcel of land situated, lying and being at MALEN CHIEFDOM, PUJEHUN DISTRICT in the Southern Province of the Republic of Sierra Leone was demised to the Lessor herein for a term of fifty (50) years as from the 1st day of March 2011 upon the terms and conditions therein stated.

AND WHEREAS by letter dated the day of 2011, the Lessor herein sought the consent of the Lessors to the Head Lease to submit the premises demised thereunder as provided for in Clause 2.5 of the Head Lease and by a letter dated the day of 2011, the said Lessors of the Head Lease gave their consent to the granting of this Sub-Lease.

METADATA See Summary

Country
Sierra Leone

Signature Year
2011

Resource
Agroindustry | Oil palm or palm oils

Type of Contract
Sub-lease

Open Contracting Identifier
ocds-591adf-SL5382985515OL

Disclosure Mode

Land Matrix ID:
[#2371](#)

What can we learn from the Land Matrix?

- Land Matrix collects information about former land use and former land owners – albeit with large data gaps and not explicitly about the commons
- Spatial information contained in the Land Matrix can be exploited
- Land Matrix can a tool for researchers to identify secondary information about LSLA
- Land Matrix could help to identify cases for further detailed investigation (adding in-depth research on individual cases based on purposeful selection of case study)
- **Land Matrix can help to spread scientific findings beyond research audience**

Thank you!

And we hope we can upload your research results on the Land Matrix platform soon!

Report land deals

Website: www.landmatrix.org

Twitter: [@Land_Matrix](https://twitter.com/Land_Matrix)

FB: [Land_Matrix](https://www.facebook.com/Land_Matrix)

Pilot App on Android Play Store!

<https://play.google.com/store/apps/details?id=com.unibe.researchdigisus.landobservatory>